

Special Issue

Effects of Climate Change on Water Resources

Message from the Guest Editors

Water resources is vital to both sustaining socioeconomics and ecoenvironments. However, its management has been becoming more and more challenged because of uncertainties resulting from climate change. The prominent effects of climate change on water resources can be comprehensive and may include that the: 1) total amount of available fresh water tends to decrease; 2) spatiotemporal distribution of precipitation will be altered, possibly leading to more frequent flooding and/or drought with a larger magnitude, a longer duration, and a greater extent; 3) natural hydrologic cycle can be twisted, increasing nonbeneficial evapotranspiration while reducing soil water replenishment and groundwater recharge; and 4) sea level rises, causing coastal flooding and salt water intrusion. These effects are usually intermingled with impacts of human activities on water resources. This special issue of *Water* calls for innovative research papers that will advance our knowledge/capability in: 1) quantifying effects of climate change on water resources; and 2) taking such effects into account by water resources managers and practical engineers in practice.

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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